

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/532,198  
Source: PT  
Date Processed by STIC: 2/6/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/532,198

TIME: 14:26:38

Input Set : A:\ 211010049SEQLIST.TXT

Output Set: N:\CRF4\02012006\J532198.raw

4 <110> APPLICANT: Sanchez, Alejandro  
 5 Robb, Sofia  
 7 <120> TITLE OF INVENTION: MANAGING BIOLOGICAL DATABASES  
 10 <130> FILE REFERENCE: 21101.0049U2  
 12 <140> CURRENT APPLICATION NUMBER: 10/532,198  
 -> 13 <141> CURRENT FILING DATE: 2005-04-21  
 15 <150> PRIOR APPLICATION NUMBER: PCT/US2003/033590  
 16 <151> PRIOR FILING DATE: 2003-10-22  
 18 <150> PRIOR APPLICATION NUMBER: 60/420,216  
 19 <151> PRIOR FILING DATE: 2002-10-22  
 21 <160> NUMBER OF SEQ ID NOS: 9  
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 360  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Artificial Sequence  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =  
 32 synthetic construct  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: misc\_feature  
 36 <222> LOCATION: 169  
 37 <223> OTHER INFORMATION: n=a, t, c, or g  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: misc\_feature  
 41 <222> LOCATION: 276  
 42 <223> OTHER INFORMATION: n=a, t, c, or g  
 44 <400> SEQUENCE: 1  
 45 cttctgcaag gtccacagtt accattaaca aatcgagtcc tgcagtaaag gaatatgaaa 60  
 46 tgagacaatc ctacaatttt tctggagcac ctatgggggg atcagttcaa attcatagca 120  
 -> 47 atgtgtcttc tgctgtagag ggccgagaaa gagaaaagag agaaatgcna gatcttaatg 180  
 48 aaaggctagc taattatatt gaaaaggtaa gatttctaga agctcnaaac aaaagattaa 240  
 49 caaatgaatt gaatacgtta cgtgaaagat ggggtnaaga agctgaaagg atacgagctt 300  
 50 tatatgagat tgaaatggat caattgaaaa agttattaga cgaagctgaa gctgctagat 360  
 52 <210> SEQ ID NO: 2  
 53 <211> LENGTH: 60  
 54 <212> TYPE: PRT  
 55 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 58 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =  
 59 synthetic construct  
 61 <220> FEATURE:  
 62 <221> NAME/KEY: VARIANT

Does Not Comply  
Corrected Diskette Needed

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what about 'n' at location 226?

-> this  
needs  
explanation

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Input Set : A:\ 211010049SEQLIST.TXT

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63 <222> LOCATION: 2/ 48  
 64 <223> OTHER INFORMATION: Xaa = any amino acid  
 66 <400> SEQUENCE: 2  
 -> 67 Asn Xaa Ser Ser Pro Ala Val Lys Glu Tyr Glu Met Arg Gln Ser Tyr  
 68 1 5 10 15  
 69 Asn Phe Ser Gly Ala Pro Met Gly Gly Ser Val Gln Ile His Ser Asn  
 70 20 25 30  
 71 Val Ser Ser Ala Val Glu Gly Arg Glu Arg Glu Lys Arg Glu Met Xaa  
 72 35 40 45  
 73 Asp Leu Asn Glu Arg Leu Ala Asn Tyr Ile Glu Lys  
 74 50 55 60  
 76 <210> SEQ ID NO: 3  
 77 <211> LENGTH: 60  
 78 <212> TYPE: PRT  
 79 <213> ORGANISM: Artificial Sequence  
 81 <220> FEATURE:  
 82 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =  
 83 synthetic construct  
 85 <220> FEATURE:  
 86 <221> NAME/KEY: VARIANT → Asn is at location 1  
 87 <222> LOCATION: 1-10, 13, 14, 17, 18, 20, 21, 42, 45, 47-49, 52, 54, 59  
 88 <223> OTHER INFORMATION: Xaa = any amino acid  
 90 <400> SEQUENCE: 3  
 -> 91 Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu Met Xaa Xaa Ser Tyr  
 92 1 5 10 15  
 93 Xaa Xaa Ser Xaa Xaa Pro Xaa Xaa Xaa Ser Xaa Xaa His Ser Xaa  
 94 20 25 30  
 95 Val Xaa Xaa Xaa Xaa Xaa Gly Arg Glu Xaa Glu Lys Xaa Glu Xaa Xaa  
 96 35 40 45  
 97 Xaa Leu Asn Xaa Arg Xaa Ala Asn Tyr Ile Xaa Lys  
 98 50 55 60  
 100 <210> SEQ ID NO: 4  
 101 <211> LENGTH: 60  
 102 <212> TYPE: PRT  
 103 <213> ORGANISM: Artificial Sequence  
 105 <220> FEATURE:  
 106 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =  
 107 synthetic construct  
 109 <400> SEQUENCE: 4  
 110 Asn Gln Asn Ala Ser Ser Ile Arg Thr Ile Glu Met Lys Lys Ser Tyr  
 111 1 5 10 15  
 112 Gly Val Ser Ala Thr Pro Gly Ala Thr Ser Asn Ile Val His Ser Gly  
 113 20 25 30  
 114 Val Asn Asn Leu Met Asn Gly Arg Glu Lys Glu Lys Asn Glu Leu Gln  
 115 35 40 45  
 116 Glu Leu Asn Asp Arg Phe Ala Asn Tyr Ile Asp Lys  
 117 50 55 60  
 119 <210> SEQ ID NO: 5  
 120 <211> LENGTH: 60

what about Xaa's  
 at locations  
 23-25, 27-29,  
 32, 34-38, 42, 45,  
 47-49, 52, 54,  
 59?

## RAW SEQUENCE LISTING

DATE: 02/06/2006

PATENT APPLICATION: US/10/532,198

TIME: 14:26:39

Input Set : A:\ 211010049SEQLIST.TXT

Output Set: N:\CRF4\02012006\J532198.raw

121 <212> TYPE: PRT  
 122 <213> ORGANISM: Artificial Sequence  
 124 <220> FEATURE:  
 125 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =  
 126 synthetic construct

128 <220> FEATURE:  
 129 <221> NAME/KEY: VARIANT

130 &lt;222&gt; LOCATION: 7

131 &lt;223&gt; OTHER INFORMATION: Xaa = any amino acid

133 &lt;400&gt; SEQUENCE: 5

-> 134 Val Arg Phe Leu Glu Ala Xaa Asn Lys Arg Leu Thr Asn Glu Leu Asn

135 1 5 10 15

136 Thr Leu Arg Glu Arg Trp Gly Xaa Glu Ala Glu Arg Ile Arg Ala Leu

137 20 25 30

138 Tyr Glu Ile Glu Met Asp Gln Leu Lys Lys Leu Leu Asp Glu Ala Phe

139 35 40 45

140 Ala Ala Arg Ser Glu Leu Leu Pro Lys Ile Asn Lys

141 50 55 60

143 &lt;210&gt; SEQ ID NO: 6

144 &lt;211&gt; LENGTH: 60

145 &lt;212&gt; TYPE: PRT

146 &lt;213&gt; ORGANISM: Artificial Sequence

148 &lt;220&gt; FEATURE:

149 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/ note =

150 synthetic construct

152 &lt;220&gt; FEATURE:

153 &lt;221&gt; NAME/KEY: VARIANT

154 &lt;222&gt; LOCATION: 3, 6-7, 13, 17, 19, 20-21, 24, 26-27, 30, 34-36, 38, 41-43,

155 46, 50-53, 55-56, 60

156 &lt;223&gt; OTHER INFORMATION: Xaa = any amino acid

158 &lt;400&gt; SEQUENCE: 6

-> 159 Val Arg Xaa Leu Glu Xaa Xaa Asn Lys Arg Leu Thr Xaa Glu Leu Asn

160 1 5 10 15

161 Xaa Leu Xaa Xaa Xaa Trp Gly Xaa Glu Xaa Xaa Arg Ile Xaa Ala Leu

162 20 25 30

163 Tyr Xaa Xaa Xaa Met Xaa Gln Leu Xaa Xaa Xaa Leu Asp Xaa Ala Glu

164 35 40 45

165 Ala Xaa Xaa Xaa Xaa Leu Xaa Xaa Lys Ile Asn Xaa

166 50 55 60

168 &lt;210&gt; SEQ ID NO: 7

169 &lt;211&gt; LENGTH: 60

170 &lt;212&gt; TYPE: PRT

171 &lt;213&gt; ORGANISM: Artificial Sequence

173 &lt;220&gt; FEATURE:

174 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/ note =

175 synthetic construct

177 &lt;400&gt; SEQUENCE: 7

178 Val Arg Ser Leu Glu Asp Glu Asn Lys Arg Leu Thr Asp Glu Leu Asn

179 1 5 10 15

*What about Xaa at location 24?*

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Input Set : A:\ 211010049SEQLIST.TXT

Output Set: N:\CRF4\02012006\J532198.raw

```

180 Asp Leu Lys Asp Gln Trp Gly Asn Glu Thr Ala Arg Ile Lys Ala Leu
181          20          25          30
182 Tyr Asp Ser Asp Met Ser Gln Leu Arg Arg Ser Leu Asp Gln Ala Glu
183          35          40          45
184 Ala Ser Lys Ala Gln Leu Glu Met Lys Ile Asn Thr
185          50          55          60
187 <210> SEQ ID NO: 8
188 <211> LENGTH: 60
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =
194     synthetic construct
196 <400> SEQUENCE: 8
197 cttctgcaag gtccacagtt accattaaca aatcgagtcc tgcagtaaag gaatatgaaa      60
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 60
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence:/ note =
206     synthetic construct
208 <400> SEQUENCE: 9
209 tgagacaatc ctacaatttt tctggagcac ctatgggggg atcagttcaa attcatagca      60

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/532,198

DATE: 02/06/2006  
TIME: 14:26:40

Input Set : A:\ 211010049SEQLIST.TXT  
Output Set: N:\CRF4\02012006\J532198.raw

Please Note:

One or more n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 169,226,276

Seq#:2; Xaa Pos. 2,48

Seq#:3; Xaa Pos. 2,3,4,5,6,7,8,9,10,13,14,17,18,20,21,23,24,25,27,28,29,32

Seq#:3; Xaa Pos. 34,35,36,37,38,42,45,47,48,49,52,54,59

Seq#:5; Xaa Pos. 1,24

Seq#:6; Xaa Pos. 3,6,7,13,17,19,20,21,24,26,27,30,34,35,36,38,41,42,43,46

Seq#:6; Xaa Pos. 50,51,52,53,55,56,60

**VERIFICATION SUMMARY**

DATE: 02/06/2006

PATENT APPLICATION: US/10/532,198

TIME: 14:26:40

Input Set : A:\ 211010049SEQLIST.TXT

Output Set: N:\CRF4\02012006\J532198.raw

13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
17 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120  
341 Repeated in SeqNo=1  
57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
341 Repeated in SeqNo=2  
91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
341 Repeated in SeqNo=3  
134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
341 Repeated in SeqNo=5  
159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
341 Repeated in SeqNo=6